

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **KAKU, Takashi, et al.**

Group Art Unit: **Not Yet Assigned**

Serial No.: **10/803,083**

Examiner: **Not Yet Assigned**

Filed: **March 18, 2004**

For: **MODEM COUPLING CIRCUIT FOR POWER-LINE CARRIER**

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

April 2, 2004

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

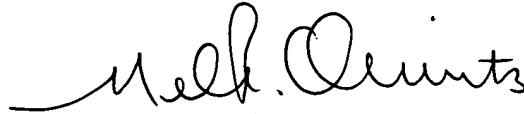
No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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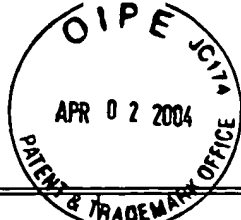
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PATENT TRADEMARK OFFICE

Enclosures: PTO-1449 and references (4)

References to be listed in the IDS for U.S. Application  
U.S. Patent Application No.:  
Based on Japanese Patent Application No. 2003-076460

No.	Reference No.	Applicant (Assignee)	Translation	Remarks
A	JP-A-8-98277	TOSHIBA LIGHTING & TECHNOL CORP	English Abstract	Cited in the specification. A primary winding of a transformer for power line carrier communication is connected to a power line via capacitor, and a secondary winding of the transformer is connected to a receiving circuit. (Fig. 1, 4 and 6)
B	JP-A-2001-186063	SHINKO ELECTRIC CO LTD	English Abstract	Cited in the specification. Power line carrier communication system constituted such that a parallel track comprising a pair of feeders that supplys current power from a RF generator is combined with magnetic circuit of a transformer for communication and that communication is carried out between the transformer for communication and an uninhabitated vehicle which runs along the parallel track. (Claim 1, Fig. 3) Note that the power supply frequency of this document is about 100KHz, whereas that of the present invention is 50 or 60 Hz. Therefore, the only similarity between the two is the term "power line carrier".
C	JP-A-2001-267139	FDK CORP	English Abstract	Cited in the specification. Parallel bifiler winding tranformer for communication. [Fig. 2 (A) and (B)] Note that the transformer in this document is not a transformer for power line carrier communication.
D	JP-A-2001-136107	STMICROELECTRONICS SA	English Abstract	Cited in the specification. A resistance is connected between a transformer circuit and a receiving circuit of secondary winding of a line transformer that is connected to a telephone line. (Fig 3) Note that the transformer in this document is not a transformer for power carrier communication.



<b>INFORMATION DISCLOSURE CITATION PTO-1449</b>	Atty. Docket No. 040101	Serial No. 10/803,083
	Applicant(s): KAKU, Takashi, et al.	
	Filing Date: March 18, 2004	Group Art Unit: Not Yet Assigned

### U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA					
_____	AB					
_____	AC					
_____	AD					
_____	AE					

### FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Translation (Yes or No)
_____ AF 8-98277	04/12/96	Japan	Abstract
_____ AG 2001-186063	07/06/01	Japan	Abstract
_____ AH 2001-267139	09/28/01	Japan	Abstract
_____ AI 2001-136107	05/18/01	Japan	Abstract
_____ AJ			

### OTHER DOCUMENTS

_____	AK	
_____	AL	
Examiner		
Date Considered		